

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number
WO 2005/015751 A1

(51) International Patent Classification⁷: **H03M 13/47, H04B 7/14**

(21) International Application Number:
PCT/AU2004/001054

(22) International Filing Date: 9 August 2004 (09.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003904169 8 August 2003 (08.08.2003) AU

(71) Applicant (for all designated States except US): CLIPSAL INTEGRATED SYSTEMS PTY LTD [AU/AU]; 12 Park Terrace, Bowden, S.A. 5007 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **QUICK, Ashleigh, Glen** [AU/AU]; 12 Park Terrace, Bowden, S.A. 5007 (AU). **TERRACE, Donald, Murray** [AU/AU]; 12 Park Terrace, Bowden, S.A. 5007 (AU).

(74) Agent: MADDERNS; First Floor, 64 Hindmarsh Square, Adelaide, S.A. 5000 (AU).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

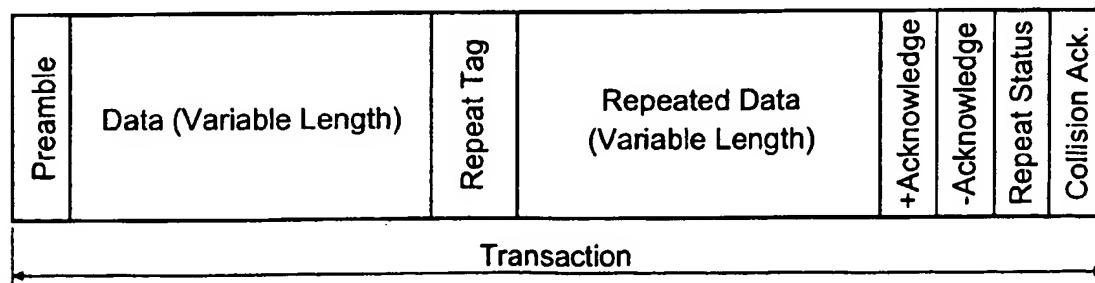
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: "COLLISION DETECTION IN A NON-DOMINANT BIT RADIO NETWORK COMMUNICATION SYSTEM"



WO 2005/015751 A1

(57) Abstract: A communications system and protocol for use in a non-dominant bit radio network. The radio network includes transceivers which communicate with other transceivers to allow network variables to be shared by all transceivers. The protocol allows the network to handle collisions between competing transmissions from different transceivers. The protocol also handles communications between transceivers that are out of transmitting range of each other.

BEST AVAILABLE COPY